

MAY 19 2004

K 040433

**510(k) Summary of Safety and Effectiveness for the  
WaveLight Laser Technologie, AG SINON laser system**

This 510(k) Summary of Safety and Effectiveness is being submitted in accordance with the requirements of the SMDA 1990 and 21 CFR 807.92.

**1. General Information**

Submitter: WaveLight Laser Technologie, AG  
Am Wolfsmantel 5  
91058 Erlangen  
Germany

Contact Person: Maureen O'Connell  
5 Timber Lane  
North Reading, MA 01864  
Telephone: 978-207-1245  
Fax: 978-207-1246

Summary Preparation Date: February 10, 2004

**2. Names**

Device Name: SINON

Classification Name: Laser Instrument, Surgical Powered  
Product Code: GEX  
Panel: Dermatology and Plastic Surgery

**3. Predicate Devices**

The SINON laser system is substantially equivalent to the Aesculap-Meditec RubyStar Laser System with Normal and Q-Switch Mode (K991285), the Spectrum Medical Technologies RD-1200 (K910422), the MLT Laser Technologies Inc. MLT R694 (K9909002) and the Mehl/Biophile Inc. Chromos 694 (K971814).

**4. Device Description**

The SINON is a 694 nm Ruby laser system which can be operated in two different modes. The quality-switch or Q-switch or QS Operating Mode is characterized by extremely short pulse widths ( $ns = 10^{-9}s$ ) and high peak power ( $MW = 10^6 W$ ). The QS Operating Mode in the SINON is used for the removal of tattoos and treatment of pigmented lesions. The second mode is the Free-Running Operating Mode which is used for the removal of hair.

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**5. Indications for Use**

The SINON is indicated:

1. In the Q-Switch Mode, for the cutting, vaporization, or ablation of soft tissue. This includes the removal of tattoos and treatment of benign pigmented lesions.
2. In the Free-Running Mode, for the removal of unwanted hair in patients with Fitzpatrick skin types of I and II.

**6. Performance Data**

None presented.



MAY 19 2004

Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

WaveLight Laser Technologic, AG  
c/o Ms. Maureen O'Connell  
5 Timber Lane  
North Reading, Massachusetts 01864

Re: K040433

Trade/Device Name: SINON  
Regulation Number: 21 CFR 878.4810  
Regulation Name: Laser surgical instrument for use in general and  
plastic surgery and in dermatology  
Regulatory Class: II  
Product Code: GEX  
Dated: February 13, 2004  
Received: February 19, 2004

Dear Ms. O'Connell:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

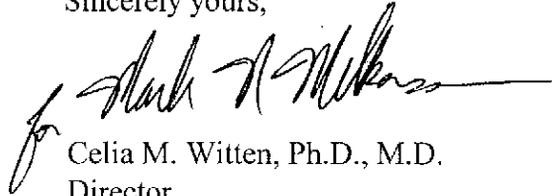
Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

Page 2 - Ms. Maureen O'Connell

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at (301) 594-4659. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address <http://www.fda.gov/cdrh/dsma/dsmamain.html>

Sincerely yours,

A handwritten signature in black ink, appearing to read "Celia M. Witten", with a long horizontal flourish extending to the right.

Celia M. Witten, Ph.D., M.D.  
Director

Division of General, Restorative  
and Neurological Devices  
Office of Device Evaluation  
Center for Devices and Radiological Health

Enclosure

## Indications for Use

510(k) Number (if known):                     K040433

Device Name:           SINON

### Indications For Use:

1. In the Q-Switch Mode, for the cutting, vaporization, or ablation of soft tissue. This includes the removal of tattoos and treatment of benign pigmented lesions.
2. In the Free-Running Mode, for the removal of unwanted hair in patients with Fitzpatrick skin types of I and II.

Prescription Use       X        
(Part 21 CFR 801 Subpart D)

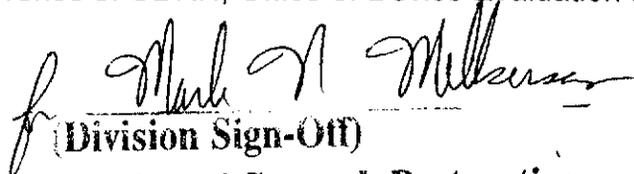
AND/OR

Over-The-Counter Use                       
(21 CFR 807 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

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Concurrence of CDRH, Office of Device Evaluation (ODE)



(Division Sign-Off)

**Division of General, Restorative,  
and Neurological Devices**

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